

What is Claimed is:

1. An apparatus for disposing a wire lead along a trajectory having predetermined positional references relative to a dynamo-electric machine component comprising:

a wire lead source;

a wire lead manipulator having a longitudinal axis comprising first and second portions and configured to dispose the wire lead along the trajectory at the predetermined positional references, the first portion being configured to receive the wire lead from the wire lead source, the second portion being configured to engage the wire lead received within the first portion; and

wherein a distal end of the wire lead manipulator exclusively enters a first plane in which the wire lead is to be disposed.

2. The apparatus of claim 1 wherein the first plane is substantially perpendicular to the longitudinal axis.

3. The apparatus of claim 1 wherein the distal end of the wire lead manipulator comprises a terminal end of the second portion.

4. The apparatus of claim 1 wherein the first portion comprises a hollow longitudinal member having a first opening configured for receiving the wire lead within the hollow member.

5. The apparatus of claim 4 wherein the second portion comprises a rotatable sheath member

disposed concentrically around the first portion, the sheath member having a second opening for allowing the wire lead to pass into the first opening, wherein the first and second openings are configured to be aligned with each other to receive the wire lead into the first portion.

6. The apparatus of claim 5 wherein the sheath member is configured to engage the wire lead by rotating the second opening out of alignment with the first opening.

7. The apparatus of claim 5 wherein the first and second openings are further configured to align with the wire lead source to receive the wire lead into the first portion.

8. The apparatus of claim 1 wherein the wire lead manipulator is configured to be disposed adjacent a second plane from which the wire lead source dispenses the wire lead to receive the wire lead, the second plane being substantially parallel to the longitudinal axis.

9. The apparatus of claim 8 wherein the wire lead manipulator is pressed against a portion of the wire lead source to receive the wire lead.

10. The apparatus of claim 1 wherein the wire lead manipulator is configured for relative rotation and substantially parallel translation with respect to a central axis of the dynamo-electric

machine component that is substantially parallel to the longitudinal axis.

11. The apparatus of claim 10 wherein the wire lead manipulator is further configured for relative radial stratification with respect to the central axis.

12. The apparatus of claim 11 wherein the dynamo-electric machine component is disposed on a table that is configured to provide rotation and radial stratification with respect to the central axis.

13. The apparatus of claim 10 wherein the wire lead manipulator is configured for translation substantially parallel to the longitudinal axis.

14. The apparatus of claim 1 wherein the wire lead source is a wire dispensing needle configured to wind wire coils onto the dynamo-electric machine component.

15. A method for disposing a wire lead along a trajectory having predetermined positional references relative to a dynamo-electric machine component comprising:

providing a wire lead manipulator having a longitudinal axis comprising first and second portions and configured to dispose a wire lead along the trajectory at the predetermined positional references;

receiving the wire lead from a wire lead source within a first portion of the wire lead manipulator;

engaging the wire lead received within the first portion with a second portion of the wire lead manipulator;

disposing the wire lead in a first plane using a distal end of the wire lead manipulator that exclusively enters the first plane.

16. The method of claim 15 wherein disposing the wire lead in a first plane using a distal end of the wire lead manipulator comprises disposing the wire lead in the first plane using a terminal end of the second portion that exclusively enters the first plane, and wherein the first plane is substantially perpendicular to the longitudinal axis.

17. The method of claim 15 wherein receiving the wire lead further comprises receiving the wire lead within a hollow longitudinal member having a first opening configured for receiving the wire lead within the hollow member.

18. The method of claim 17 wherein engaging the wire lead further comprises engaging the wire lead with a rotatable sheath member disposed concentrically around the first portion and having a second opening for allowing the wire lead to pass into the first opening.

19. The method of claim 18 wherein engaging the wire lead further comprises rotating the sheath

member to position the second opening out of alignment with the first opening.

20. The method of claim 18 wherein receiving the wire lead further comprises aligning the first and second openings with each other.

21. The method of claim 20 wherein receiving the wire lead further comprises aligning the first and second openings with the wire lead source to receive the wire lead into the first portion.

22. The method of claim 15 wherein receiving the wire lead further comprises positioning the wire lead manipulator adjacent a second plane from which the wire lead source dispenses the wire lead, the second plane being substantially parallel to the longitudinal axis.

23. The method of claim 22 wherein receiving the wire lead further comprises pressing the wire lead manipulator against a portion of the wire lead source.

24. The method of claim 15 further comprising providing the wire lead manipulator with relative rotation and substantially parallel translation with respect to a central axis of the dynamo-electric machine component that is substantially parallel to the longitudinal axis.

25. The method of claim 24 further comprising providing the wire lead manipulator with

relative radial stratification with respect to the central axis.

26. The method of claim 25 further comprising disposing the dynamo-electric machine component on a table configured to provide rotation and radial stratification with respect to the central axis.

27. The method of claim 24 further comprising translating the wire lead manipulator along the longitudinal axis.

28. The method of claim 15 wherein receiving the wire lead further comprises receiving the wire lead from a wire dispensing needle configured to wind wire coils onto the dynamo-electric machine component.